

PATENT
0796/71303

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Mark Hornung, et al.
Serial No. : Not yet assigned
Filed : Herewith
For : DEVICE FOR MEASURING THE FLOW OF A GAS OR A LIQUID IN A BYPASS
Group : Unknown
Examiner : Unknown

1185 Avenue of the Americas
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(212) 278-0400
November 20, 2003

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure set forth in 37 CFR 1.56 and in keeping with the guidelines of 37 CFR 1.98, Applicant hereby submits information thought to be relevant to the above-identified application. Also submitted herewith is a completed form PTO-1449. The cited documents are:

US 2003/0115952	June 26, 2003
US 2002/0078744	June 27, 2002
US 6,425,414	July 30, 2002
US 6,351,390	February 26, 2002
US 5,750,892	May 12, 1998
US 5,533,412	July 9, 1996
US 5,404,753	April 11, 1995
US 5,062,446	November 5, 1991
US 4,829,818	May 16, 1989
US 4,783,996	November 15, 1988
US 4,677,850	July 7, 1987
US 4,672,997	June 16, 1987
DE 101 29 300	June 23, 2000
DE 195 11 687	October 2, 1995
GB 214 24 37	January 16, 1983
EP 089 08 28	January 13, 1999
EP 055 29 16	July 28, 1993
WO 01 987 36	December 27, 2001
WO 97 265 09	July 24, 1997
WO 96 037 21	February 8, 1996

F. Mayer, et al., (1996) "Scaling of Thermal CMOS Gas Flow Microsensors: Experiment and Simulation", Proc. IEEE Micro Electro Mechanical Systems, (IEEE, 1996): 116-121;

M. Ashauer, et al. (1998) "Thermal Flow Sensor for Liquids and Gases", Proc. IEEE Micro Electro Mechanical Systems, (IEEE, 1998):351-355.

These documents are listed on the attached from PTO-1449, and a copy of each is enclosed.

It is requested that the Examiner enter the cited documents in the file of the application and consider them under Rule 56.

We are advised that WO 01/98736 contains a subset of the information in DE 101 29 300 and is therefore redundant. In view of the partial translation, submitted herewith, of the former, we are submitting no translation of the latter.

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In the absence of more pertinent prior art, the application is in condition for allowance; favorable action is respectfully solicited.

No fee is believed to be due. However, the Patent Office is authorized to charge any fee or credit any overpayment to our deposit account No. 03-3125. A copy of this sheet is enclosed.

Respectfully submitted,
COOPER & DUNHAM LLP



Donald S. Dowden
Reg. No. 20,701

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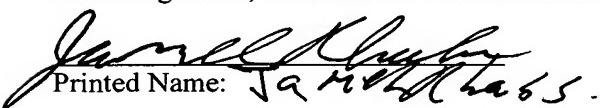
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Alexandria, VA 22313-1450

SIR:

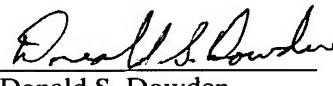
EXPRESS MAIL CERTIFICATE OF MAILING
FOR ABOVE-IDENTIFIED APPLICATION

"Express Mail" mailing label number: EV325702303US
Date of Deposit: November 20, 2003

I hereby certify that the following documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Transmittal Letter, in triplicate; Certified copy of Swiss patent application CH-2205/02 filed 23 December 2002; 13-page specification including 1-page abstract and 2 sheets of formal drawings (Figs. 1-4); Verified Statement Claiming Small Entity Status; Information Disclosure Statement; Form PTO 1449 and 22 references; Declaration and Power of Attorney; Form PTO-1595 and Assignment; Check in the amount of \$425.00; and Return Postcard.


Printed Name: Donald S. Dowden

Respectfully submitted,



Donald S. Dowden
Registration No. 20,701

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office							Atty. Docket No. 0796/71303	Serial No. Unknown
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)									Applicants Mark Hornung, et al.	
									Filing Date Herewith	Group Unknown

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number							Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	0	1	1	5	9	5	2	06/26/03	Mayer et al.	73	204.26	
	AB	0	0	7	8	7	4	4	06/27/02	Gehman et al.	73	204.11	
	AC	6	4	2	5	4	1	4	07/30/02	Jorgensen et al.	137	597	
	AD	6	3	5	1	3	9	0	02/26/02	Mayer et al.	361	760	
	AE	5	7	5	0	8	9	2	05/12/98	Huang et al.	73	202	
	AF	5	5	3	3	4	1	2	07/09/96	Jerman et al.	73	861.95	
	AG	5	4	0	4	7	5	3	04/11/95	Hecht et al.	73	204.22	
	AH	5	0	6	2	4	4	6	11/5/91	Anderson	137	468	
	AI	4	8	2	9	8	1	8	05/16/89	Bohrer	73	204.22	
	AJ	4	7	8	3	9	9	6	11/15/88	Ohta et al.	73	204.17	
	AK	4	6	7	7	8	5	0	07/07/87	Miura et al.	73	204	
	AL	4	6	7	2	9	9	7	06/16/87	Landis et al.	137	554	

FOREIGN PATENT DOCUMENTS

			Document Number							Date	Country	Class	Subclass	Translation
			Yes	No										
	DE	10	1	2	9	3	0	0	02/07/02	Germany	G01F	5/00	partial	
	DE	19	5	1	1	6	8	7	10/02/96	Germany	G01F	1/684	partial	
	GB	2	1	4	2	4	3	7	01/16/85	Great Britain	G01F	1/68		
	EP	0	8	9	0	8	2	8	01/13/99	Europe	G01F	25/00		
	EP	0	5	5	2	9	1	6	07/28/93	Europe	A61B	5/087		
	WO	0	1	9	8	7	3	6	12/27/01	PCT	G01F	1/684		
	WO	9	7	2	6	5	0	9	07/24/97	PCT	G01F	5/00		
	WO	9	6	0	3	7	2	1	02/08/96	PCT	G07F			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 0796/71303	Serial No. Unknown
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AS	F. Mayer, et al. (1996) "Scaling of Thermal CMOS Gas Flow Microsensors: Experiment and Simulation", Proc. IEEE Micro Electro Mechanical Systems, (IEEE, 1996):116-121					
	AT	M. Ashauer, et al. (1998) "Thermal Flow Sensor for Liquids and Gases", Proc. IEEE Micro Electro Mechanical Systems, (IEEE, 1998):351-355					

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